

Dr. Ruggieri's Opinions

- Pfizer and Warner-Lambert acted reasonably and complied with regulatory requirements in monitoring the safety of Neurontin
- The information available to Warner-Lambert and Pfizer has consistently failed to support an association or reveal any signal of potential increased risk for depression or suicidal behaviors in patients taking Neurontin
- No signal emerged sufficient to raise special safety concerns in the off-label use of Neurontin
- The Neurontin labeling adequately conveyed necessary information to prescribers regarding the risks and benefits of the medicine

Case 3:05-cv-00444 Document 178-2 Filed 04/27/10 Page 1 of 17 PageID #: 4184

Clinical Judgment Necessary to Interpret Signal

“Proper interpretation also requires clinical judgment before one even considers there to be a signal.”

Source: Strom, JAMA, 293:1324-5 (2005)

Sample MedWatch Form

U.S. Department of Health and Human Services
MEDWATCH
The FDA Safety Information and Adverse Event Reporting Program

For VOLUNTARY reporting of adverse events, product problems and product use errors

Form Approved, OMB No. 0910-0281 (Expires 12/31/2011)
See OMB statement on review.

Page 1 of 1

A. PATIENT INFORMATION

1. Patient Name (Last, First, Middle Initial)
2. Date of Birth
3. Sex
4. Race
5. Ethnicity

B. ADVERSE EVENT, PRODUCT PROBLEM OR ERROR

1. Adverse Event
2. Product Problem (e.g., defect/malfunction)
3. Product Use Error

4. Outcome Attributed to Adverse Event (Check all that apply)
5. Date of Event (mm/dd/yyyy)
6. Date of this Report (mm/dd/yyyy)

7. Describe Event, Problem or Product Use Error

8. Relevant Test/Laboratory Data, including Dates

9. Other Relevant History, including Preexisting Medical Conditions (e.g., allergies, race, pregnancy, smoking and alcohol use, liver/kidney problems, etc.)

C. PRODUCT AVAILABILITY

Product Available for Evaluation? (Do not send product to FDA)
1. Yes 2. No 3. Returned to Manufacturer on: (mm/dd/yyyy)

D. SUSPECT PRODUCT(S)

1. Name, Strength, Manufacturer (from product label)
2. Name, Strength, Manufacturer

E. SUSPECT MEDICAL DEVICE

1. Brand Name
2. Common Device Name
3. Manufacturer Name, City and State
4. Model # Lot #
5. Operator of Device
6. Catalog # Expiration Date (mm/dd/yyyy)
7. Serial # Other #
8. If Implanted, Give Date (mm/dd/yyyy) 9. If Implanted, Give Date (mm/dd/yyyy)
10. Is this a Single-use Device that was Reprocessed and Reused on a Patient?
11. If Yes to Item No. 8, Enter Name and Address of Reprocessor

F. OTHER (CONCOMITANT) MEDICAL PRODUCTS

(Product name and strength; dates provide treatment of event)

G. REPORTER (See confidentiality section on back)

1. Name and Address
2. Phone # 3. Email
4. Health Professional? 5. Occupation
6. Also Reported to: Manufacturer, User Facility, Distributor/Reporter

FORM FDA 3500 (1/09) Submission of a report does not constitute an admission that medical personnel or the product caused or contributed to the event.

Submission of a report does not constitute an admission that medical personnel or the product caused or contributed to the event.

June 7, 2001 Memo on First Pfizer PMP Meeting

Date: June 7, 2001
To: Distribution
From: Cynthia de Luise, RPA-C, MPH
Subject: Neurontin PMP Team Meeting (09 May 2001) Minutes

Attendees present in New York, Ann Arbor, or via teleconference:

Clinical Data Operations
Dimitrios Alexopoulos
Sue Huang

Regulatory QA
Marc Wolfson

Clinical PGRD
Preston Holley
Lloyd Knapp

Safety Evaluation and Epidemiology
Epidemiology
Cynthia de Luise
Cathy Sigler (chairperson)
Regulatory Labeling
Philip Arena
Chris Pacella

Clinical Safety and Risk Management
Bob Brody
Xiaofeng Zhou

Drug Safety Evaluation
Robin Walker

Legal
Valerie Flapan

Medical Information
Susanne Batesko

Project Planning PGRD
Paul Misak

Regulatory Strategy
PPG-NY
Andrea Garrity
PPG-Eagan
Nick Moutzouris
PGRD-Ann Arbor
Druella Scott

metabolism; 4) absence of protein binding; 5) no metastases or local invasion of the tumors in rats; 6) no adverse effect on survival among rats with pancreatic tumors; 7) the involvement of a different cell type than usual duct cell carcinomas; 8) no findings in female rats or in mice; 9) no difference from controls in onset or latency; and, 10) the fact that gabapentin is known to concentrate in rat pancreatic acinar cells.

A response was recently sent to the German regulatory agency (BfArM) regarding the rat pancreatic tumor findings, consisting of a summary of Phase IV work. Drug Safety Evaluation has completed on this topic. While a mechanism was not identified, morphologic, genotypic and phenotypic differences from human pancreatic tumors were demonstrated, thereby adding to the weight of evidence that the rat tumors are of little relevance to humans.

Andrea Garrity commented that in October 2000, PPG-Regulatory and the Consumer Health Products Group met with FDA to activate the IND for sleep and jet lag indications in order to initiate the first clinical study. FDA expressed concern about the findings of pancreatic tumors in rats, given that the risk/benefit assessment would differ for these OTC indications compared to the assessment for gabapentin's currently approved indications.

Postmarketing Safety Review for sNDA (M Hauben)

In preparation for the neurophathic pain sNDA submission, a summary report of postmarketing data was recently completed. The objective was to identify any potential safety signals in the database involving gabapentin for neurophathic pain. Additionally, searches were conducted for potential interactions with drugs to treat diabetes mellitus, since painful diabetic neuropathy is a major subset of neurophathic pain.

A review of the database revealed a similar distribution of postmarketing adverse events in the neurophathic pain dataset compared to the dataset comprised of other indications. Summaries of the pediatric and elderly subpopulations also found no safety concerns unique to those groups.

The entire postmarketing event database was also queried for reports of peripheral edema while taking gabapentin. Of the 77 patients with peripheral edema, only 1 had an associated cardiac event, which, upon medical review, was not deemed related to the drug. Potential drug interaction reports were also reviewed. There were 4 reports involving gabapentin and agents to treat diabetes mellitus out of a total database of over 13,000 reports. There was no significant signal of unanticipated interactions between gabapentin and agents to treat diabetes mellitus. Additional follow-up will be conducted as needed, including the focused review of individual reports, screening for signals involving low frequency that are typical of drug-induced adverse events, such as liver necrosis, agranulocytosis, and QT-interval prolongation. As with all spontaneous adverse event reports, limited inferences can be made as there is underreporting and no denominator for these events.

Postmarketing Ad Hoc Reports (M Campbell)

The Safety Analysis group within Safety Evaluation and Epidemiology prepares ad-hoc safety reports in response to safety-related adverse event queries from regulatory agencies around the

The objective was to identify any potential safety signals in the database involving gabapentin use for neurophathic pain.

Pfizer Reviewed Adverse Events

July 25, 2002 Meeting



Memo Date: July 30, 2002

To: Distribution

From: Christopher Pacella

Re: Gabapentin Product Maintenance and Pharmacovigilance (PMP) Labeling Core Working Group (CWG)

Meeting Date: July 25, 2002

Attendees: Philip Arena, Robert Glanzman, Manfred Hauben, Christopher Pacella (Chairperson), Manini Patel, Tina Zhang

Absentees: Lisa Cortina, Alan Hassel, Alvaro Quintana

Purpose: To identify gabapentin events from the ARISg/WAERS databases for review and for possible addition to the gabapentin labeling.

Discussion:

The ARISg/WAERS databases were searched for gabapentin adverse event cases which were entered into the databases through 31Mar02. A report (28C) was provided, which included all preferred adverse event terms categorized according to the COSTART body system with reporting frequency.

The adverse events selected for this review were those being unlabeled and meeting one or more of the following criteria:

- Reporting frequency of $\geq 1\%$ on report 28C
- Medically significant
- Characteristic of a drug-induced adverse reaction in general
- Pharmacologically plausible

The adverse events selected for this review were those being unlabeled and meeting one or more of the following criteria:

- Reporting frequency of $\geq 1\%$ on report 28C
- Medically significant
- Characteristics of a drug-induced adverse reaction in general
- Pharmacologically plausible

Pfizer Analyzes Adverse Events in Off-Label Use Populations in 2001

Review of events of relevance to the neuropathic pain population. The intent would be to note whether there are possible signals of specific adverse events in the neuropathic pain population that may be diluted by the overall population and to assess the strength of any signal.

Analysis of literature cases (brief summary of those cases with labeled events). Case summaries of those cases with unlabeled events. This is included based on the level of documentation and clinical detail usually required by the peer review process.

D. Section 4

Review of fatal cases.

E. Section 5

Review of events of relevance to the neuropathic pain population. The intent would be to note whether there are possible signals of specific adverse events in the neuropathic pain population that may be diluted by the overall population and to assess the strength of any signal. A signal might be a positive rechallenge in the absence of risk factors and their causes if any would be summarized, otherwise a general overview would suffice with a conclusion based on medical review. The intent of the review of these events is to notify ourselves that the neuropathic pain population is not at an increased risk to develop these specific events.

Psychiatric (Nervous System)

Patients with chronic neuropathic pain may represent a population with a significant amount of comorbid depression (150 cases) and suicide (15). Therefore these cases will be looked at to include or exclude any significant signal of drug induced depression/worsening depression.

Cardiac

Heart failure and congestive heart failure (21) because of the high incidence of comorbid cardiovascular disease in the diabetic population.

Because of the high incidence of peripheral edema in clinical trials of neuropathic pain and because it is one of the more commonly reported spontaneous events, this event may assume increased significance in patients with comorbid cardiovascular disease such as the diabetic population with neuropathic pain. Edema peripheral and peripheral edema will be looked at to see if there is an association with cardiovascular events and their sequelae. The intent of looking at these events is not to confirm or refute causality with gabapentin but to determine if edema and edema associated events may cause cardiovascular compromise in the neuropathic pain patient.

QT related events - Drugs from multiple therapeutic areas have been associated with QT interval prolongation and the neuropathic pain population would be expected to have significant comorbid cardiovascular disease, which might predispose patients to QT prolongation. Events to be looked at include cardiac arrest, ventricular fibrillation, heart arrest, QT interval prolonged, fibrillation ventricular, ventricular tachycardia.

Endocrine; Metabolic and nutrition

Diabetes Mellitus, diabetic coma, hyperglycemia, hypoglycemia, (70 cases) will be looked at. Do these cases generate a signal that gabapentin may effect glycemic control

Pfizer_MBTsuben_0000124

Pfizer Analyzes Adverse Events in Neuropathic Pain Population in 2001

Objective: With the post marketing use of gabapentin in patients other than with epilepsy it is important to identify whether these new populations may be particularly susceptible to specific adverse drug effects both labeled and unlabeled and to identify conditions under which specific adverse events may be more likely to occur in these new patient population. The development of the safety profile of any drug product is an evolving process. As with any marketed drug in order to provide guidance for the safe and judicious use of gabapentin for the specific clinical application which we are seeking in the United States (neuropathic pain), accumulation and analysis of the broader population's safety experiences is critical for the ongoing development of an accurate safety profile. The intent of this review is to summarize the experience of the overall population using the ICH pharmacovigilance safety update report format with additional focused reviews of selected events for potential signals which might be of particular relevance to the neuropathic pain population. It should be noted that a dedicated Product Maintenance and Pharmacovigilance (PMP) committee for gabapentin will be formed to perform an on-going review of serious events on a periodic basis.

Report Format

1 Overall Description of Postmarketing Data

A. Section 1

1. Total number of cases and events. Sources of report (reporter versus country of origin versus both). Gender distribution. Age breakdown. Serious cases. Outcomes. Breakdown by dose 0-2400, 2400-3600 and > 3600. Indications breakdown.
2. Table of body systems containing 25% or more (others can be included as "other") of the events with the most commonly reported events below the table.
3. Table of those events reported in System. Unlabeled events will be general sense to see the nature of the event or two about the nature of the event we cannot get a summary table Safety Update Reports (PSUR).
4. Possibly provide a summary of events.

Tables should combine WABERS and A

B. Section 2

This section will contain a table and in all expert reports/pharm report, source of report in case findings and current labeling at emphasizing the ongoing evaluation

C. Section 3

Analysis of literature cases (brief summary of these cases with labeled events). Case summaries of those cases with unlabeled events. This is included based on the level of documentation and clinical detail usually required by the peer review process

D. Section 4

Review of fatal cases.

E. Section 5

Review of events of relevance to the neuropathic pain population. The intent would be to note whether there are possible signals of specific adverse events in the neuropathic pain population that may be shared by the overall population and to assess the strength of any signal. A signal might be a positive challenge in the absence of risk factors and these cases if any would be summarized, otherwise a general overview would suffice with a conclusion based on medical review. The intent of the review of these events is to initially determine that the neuropathic pain population is not at an increased risk to develop these specific events.

Psychiatric (Nervous System)

Patients with chronic neuropathic pain may represent a population with a significant increase of suicidal ideation (25-50%) and suicide (15). Therefore these cases will be looked at to see if there is an association with cardiovascular events and their response. The intent of looking at these events is not to confirm or refute causality with gabapentin but to determine if edema and edema associated events may cause cardiovascular compromise in the neuropathic pain patient.

Cardiac

Heart failure and congestive heart failure (CHF) because of the high incidence of comorbid cardiovascular disease in the diabetic population.

Because of the high incidence of peripheral edema in clinical trials of neuropathic pain and because it is one of the more commonly reported spontaneous events, this event may assume increased significance in patients with comorbid cardiovascular disease such as the diabetic population with neuropathic pain. Edema peripheral and peripheral edema will be looked at to see if there is an association with cardiovascular events and their response. The intent of looking at these events is not to confirm or refute causality with gabapentin but to determine if edema and edema associated events may cause cardiovascular compromise in the neuropathic pain patient.

QT related events - Drugs from multiple therapeutic areas have been associated with QT interval prolongation and the neuropathic pain population would be expected to have significant comorbid cardiovascular disease, which might predispose patients to QT prolongation. Events to be looked at include cardiac arrest, ventricular fibrillation, heart arrest, QT interval prolonged, fibrillation ventricular, ventricular tachycardia.

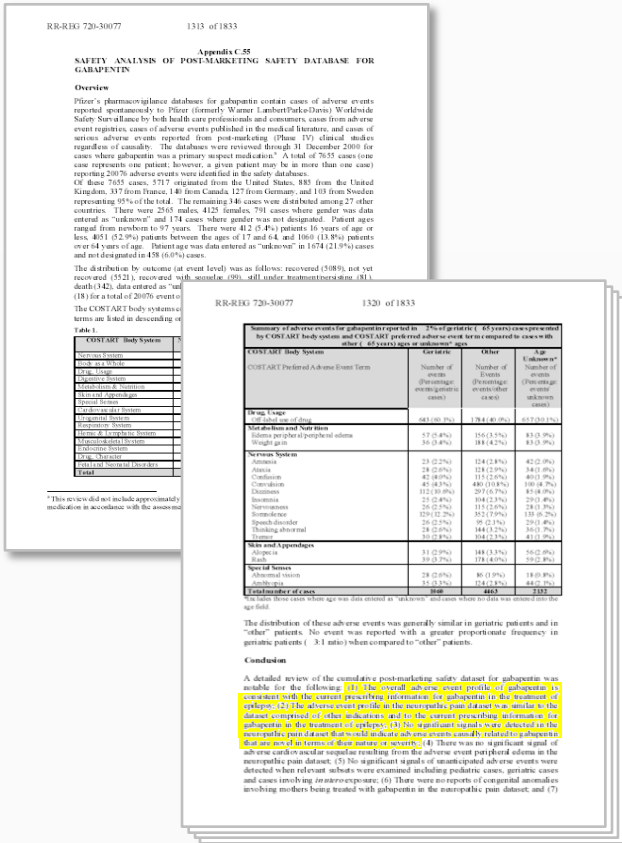
Endocrine, Metabolic and nutrition

Diabetes Mellitus, diabetic coma, hyperglycemia, hypoglycemia, (70 cases) will be looked at. Do these cases generate a signal that gabapentin may effect glycemic control

Patients with chronic neuropathic pain may represent a population with a significant amount of comorbid depression (150 cases) and suicide (15). Therefore these cases will be looked at to include or exclude any significant signal of drug induced depression/worsening depression.

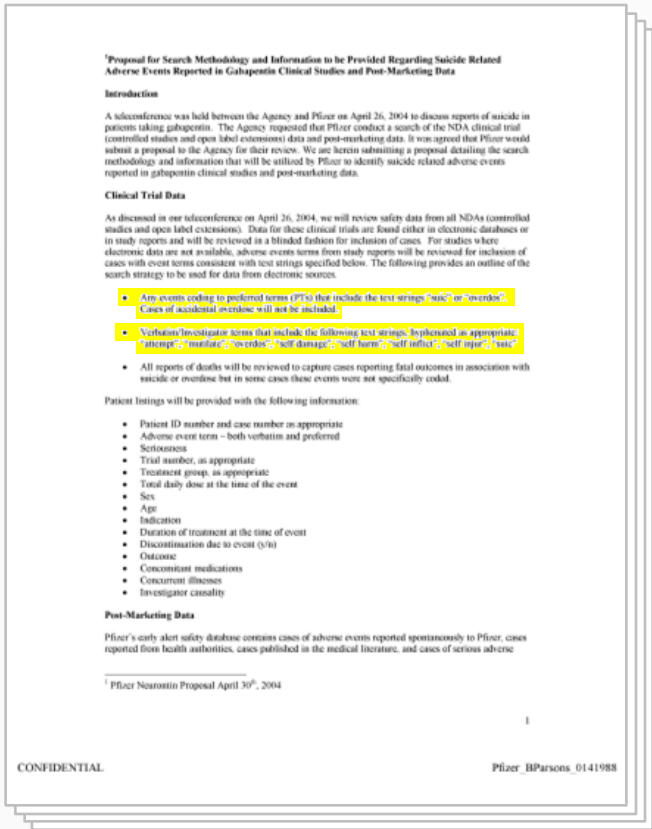
Pfizer's Conclusions on Analysis of Neuropathic Pain Adverse Event Data in 2001

- 1) The overall adverse event profile of [Neurontin] was “consistent with the current prescribing information for [Neurontin] in the treatment of epilepsy;
- 2) The adverse event profile in the neuropathic pain dataset was similar to the dataset comprised of other indications and to the current prescribing information for [Neurontin] in the treatment of epilepsy; [and]
- 3) No significant signals were detected in the neuropathic pain dataset that would indicate adverse events causally related to [Neurontin] that are novel in terms of their nature or severity....



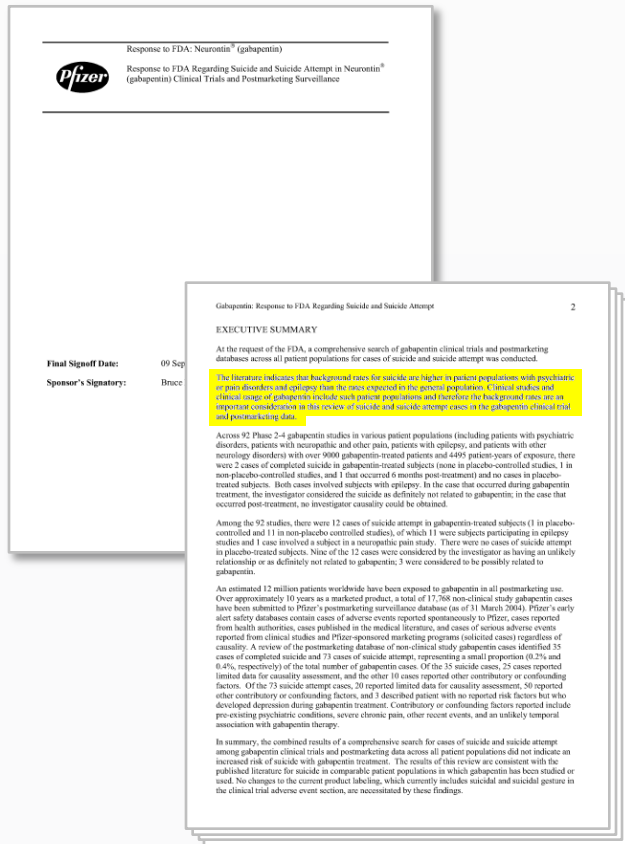
FDA Search Strategy Used by Pfizer in 2004 For Suicide Data From ‘Electronic Sources’

- Any events coding to preferred terms that include the text strings “suic” or “overdos”. Cases of accidental overdose will not be included.
- Verbatim/Investigator terms that include the following text strings, hyphenated as appropriate: “attempt”, “mutilate”, “overdos”, “self damage”, “self harm”, “self inflict”, “self injur”, “suic”
- For studies with no electronic data, adverse event terms from study reports will be reviewed with event terms consistent with certain text strings.



Pfizer 2004 Response to FDA Regarding Suicide and Suicide Attempt in Neurontin – Importance of Background Rates

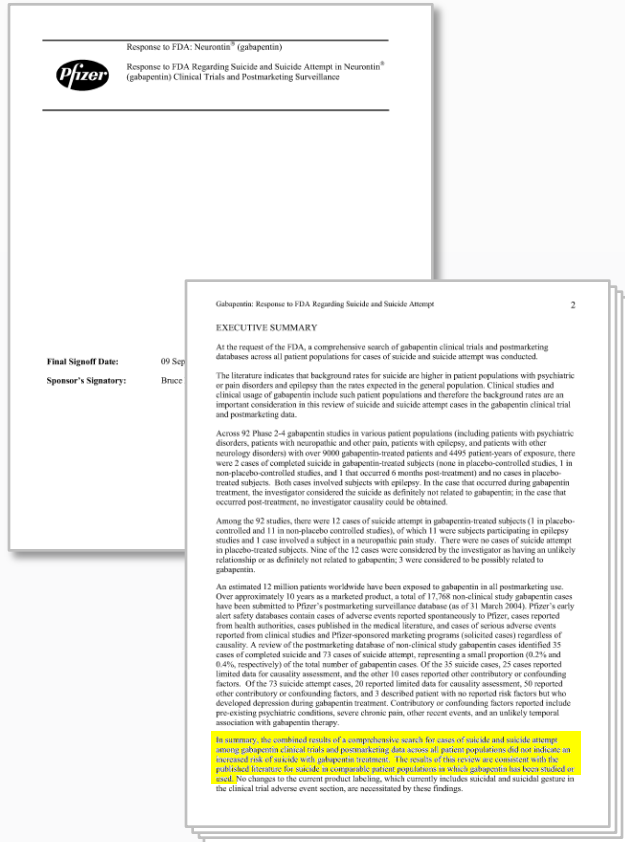
The literature indicates that background rates for suicide are higher in patient populations with psychiatric or pain disorders and epilepsy than the rates expected in the general population. Clinical studies and clinical usage of gabapentin include such patient populations and therefore the background rates are an important consideration in this review of suicide and suicide attempt cases in the gabapentin clinical trial and postmarketing data.



Case 3:05-cv-00444 Document 178-2 Filed 04/27/10 Page 10 of 17 PageID #: 4193

Pfizer 2004 Response to FDA Regarding Suicide and Suicide Attempt in Neurontin – Pfizer's Conclusions

In summary, the combined results of a comprehensive search for cases of suicide and suicide attempt among gabapentin clinical trials and postmarketing data **across all patient populations** did not indicate an increased risk of suicide with gabapentin treatment. The results of this review are consistent with the published literature for suicide in comparable patient populations in which gabapentin has been studied or used.



FDA-Controlled Clinical Trials the Only Way to Establish Whether AEDs Are Responsible for Suicide

April 1, 2008 E-Mail From FDA to Ruggieri

From: CDER DRUG INFO [mailto:CDERINFO@fda.hhs.gov]
Sent: Tuesday, April 01, 2008 8:20 AM
To: aprnd@roadrunner.com
Subject: Antiepileptic drugs

Dear Dr. Ruggieri:

Thank you for writing to the Food and Drug Administration (FDA). This is in response to your e-mail dated February 8, 2008, to Dr. Steven Salzon, regarding your scientific concerns about the recent FDA alert announcing an increased risk of suicidal behavior and suicidal ideation in patients taking antiepileptic drugs. Your e-mail was forwarded to the Division of Drug Information (DDI) for a response.

In the near future, the FDA plans to hold an advisory committee meeting to discuss the current issues involving antiepileptic drugs. The primary purpose of the meeting will be to (1) make public the detailed results of the data analyses, (2) inform the committee of the actions we have taken and why, and (3) seek the committee's advice on whether our actions are appropriate and if any additional measures need to be taken. Our goal is to have the sponsors adopt the labeling changes for antiepileptic drugs by the time the meeting takes place, although we can not predict that this will be the case.

Portions of advisory committee meetings (depending on what is being discussed) are open to the public and oral presentations from the public are welcomed and encouraged. If you feel strongly about the class labeling change being implemented for antiepileptic drugs, I would suggest that you attend and/or present at the upcoming meeting.

If you are interested, please continue to visit <http://www.fda.gov/oc/advisory/default.htm> for information on when the meeting will take place. The Peripheral and Central Nervous System Drugs Advisory Committee will be at least one of the committees involved. The "notice of meeting" will provide the meeting location and instructions if you wish to present. In addition, transcripts and summary of minutes are usually available 30 days after the meeting and are also available from this site.

Concerning your question why data from the FDA Adverse Event Reporting System (AERS) has not been analyzed or made public, the agency does not believe that spontaneous post-marketing reports can be interpreted appropriately in this situation. Patients taking these drugs have a high background rate of suicidal thoughts/behaviors, and it is not possible to tell from AERS reports, whether the drug caused them. In the agency's view, the only way to

Patients taking [AEDs] have a high background rate of suicidal thoughts/behaviors, and it is not possible to tell from AERS reports, whether the drug caused them. **In the agency's view, the only way to establish whether or not the drugs are responsible for suicidality is to analyze controlled trial data.**

Source: E-mail from FDA to Dr. Alex Ruggieri (April 1, 2008)

Neurontin Placebo-Controlled Clinical Trial Data

June 22, 2006

Workbook: Regulatory Strategy
Pfizer Inc.
235 East 42nd Street, 18th Floor
New York, NY 10017

Pfizer Global Pharmaceuticals

22 June 2006

Russell G. Katz, MD
Division Director
Division of Neurology
Products (HFD-120)
Center for Drug Evaluation and Research
Food and Drug Administration
5901 B Amundson Road
Bethesda, Maryland 20895-1266

THIS DOCUMENT CONTAINS CONFIDENTIAL AND/OR PROPRIETARY INFORMATION THAT IS UNCLASSIFIED BUT IS SUBJECT TO THE ACCESS AND DISSEMINATION CONTROLS OF THE FEDERAL GOVERNMENT. IT IS NOT TO BE RELEASED OR DISCLOSED TO THE PUBLIC OR TO ANY OTHER PERSON WITHOUT THE PRIOR WRITTEN CONSENT OF PFIZER INC.

RE: NEURONTIN® (gabapentin) capsules NDA 20-235
NEURONTIN® (gabapentin) tablets NDA 20-882
NEURONTIN® (gabapentin) oral solution NDA 21-129*

Request for Information - Response to FDA suicidality request

Dear Dr. Katz:

Reference is made to NDA 20-235, NDA 20-882, capsules, tablets and oral solution respectively.

Reference is also made to correspondence of "possibly suicide-related" adverse events and correspondence dated 11 July 2005, and On 23 October 2005, Pfizer submitted a list of criteria of unbalanced, placebo-controlled, subjects, patient and volunteer studies; we was a second list of the remaining gabapentin criteria with an explanation of the criteria of the gabapentin study inclusion list was instructions to exclude studies that only one

Further reference is made to subsequent dated 20 April 2006 provided for the ex

Category	Gabapentin (N=5194) n (%)	Placebo (N=2682) n (%)	Active Control (N=641) n (%)	Low-Dose Placebo (N=292) n (%)
Completed suicide (code 1)	0 (0.000)	0 (0.000)	0 (0.000)	0 (0.000)
Suicide attempt (code 2)	0 (0.000)	0 (0.000)	0 (0.000)	0 (0.000)
Preparatory acts towards suicidal behavior (code 3)	0 (0.000)	0 (0.000)	0 (0.000)	0 (0.000)
Self-harm behavior, intent unknown (code 4)	1 (0.019)	0 (0.000)	0 (0.000)	0 (0.000)
Suicidal ideation (code 5)	2 (0.039)	1 (0.037)	0 (0.000)	0 (0.000)
Not enough information (code 6)	3 (0.058)	3 (0.112)	0 (0.000)	0 (0.000)
- Fatal (code 6a)	1 (0.019)	0 (0.000)	0 (0.000)	0 (0.000)
- Non-fatal (code 6b)	2 (0.039)	3 (0.112)	0 (0.000)	0 (0.000)

Pfizer believes that the currently submitted data provides further support for the conclusion that Neurontin neither causes nor is associated with an increased risk of suicidal behavior and thinking, including completed suicide, suicide attempt, suicide gesture, and suicide ideation. While the population of patients who use gabapentin is known to have significantly higher rates of suicide relative to the general population, Pfizer believes that an analysis of gabapentin clinical trial data fully supports the conclusion that there is no increased risk of suicidal behavior and thinking as a result of treatment with gabapentin.

Contents of Submission

As requested, we are herein forwarding the following Table 1: Basic Study Design (Enclosure 1), Table 2: Screening and Key Exclusionary Criteria (Enclosure 2) and a False Positive Table Listing (Enclosure 3). The required dataset was generated and the SAS transport files (Enclosure 4) is also provided.

Enclosed please find a virus free CD ROM approximately 4.0 MB in size. This CD ROM was scanned for viruses using McAfee Viruscan Enterprise 6.0.0 created on 22 June 2006.

Please also include this information by cross-reference to NDA 20-882 and NDA 20-129.

4

Pfizer, MEVortez, 0079434

Category	Gabapentin (N=5194) n (%)	Placebo (N=2682) n (%)
Completed suicide (code 1)	0 (0.000)	0 (0.000)
Suicide attempt (code 2)	0 (0.000)	0 (0.000)
Preparatory acts towards imminent suicidal behavior (code 3)	0 (0.000)	0 (0.000)
Suicidal ideation (code 5)	2 (0.039)	1 (0.037)
Total	0.039%	0.037%

FDA's Minor Labeling Change Request



November 22, 2005 E-Mail From FDA to Pfizer

-----Original Message-----
From: Calder, Courtney [mailto:CalderC@cdcr.fda.gov]
Sent: Tuesday, November 22, 2005 9:35 AM
To: 'Patel, Manini'
Cc: 'Evertsz, Mary Ann'; 'Phelan, Kevin (New York)'
Subject: RE: : Neurontin clarification by phone request

Hi Mary Ann,
Please proceed with the minor labeling changes pertaining to suicide-related events.
Thank you, Courtney

Courtney R. Calder, Pharm.D., LT USPHS
Regulatory Project Manager
Division of Neurology Products, HFD-120
Center For Drug Evaluation and Research, FDA
Office of Drug Evaluation I
Ph: (301) 796-1050
Fax: (301) 796-9842
Email: calderc@cdcr.fda.gov

Please proceed with
the **minor** labeling
changes pertaining to
suicide-related events.

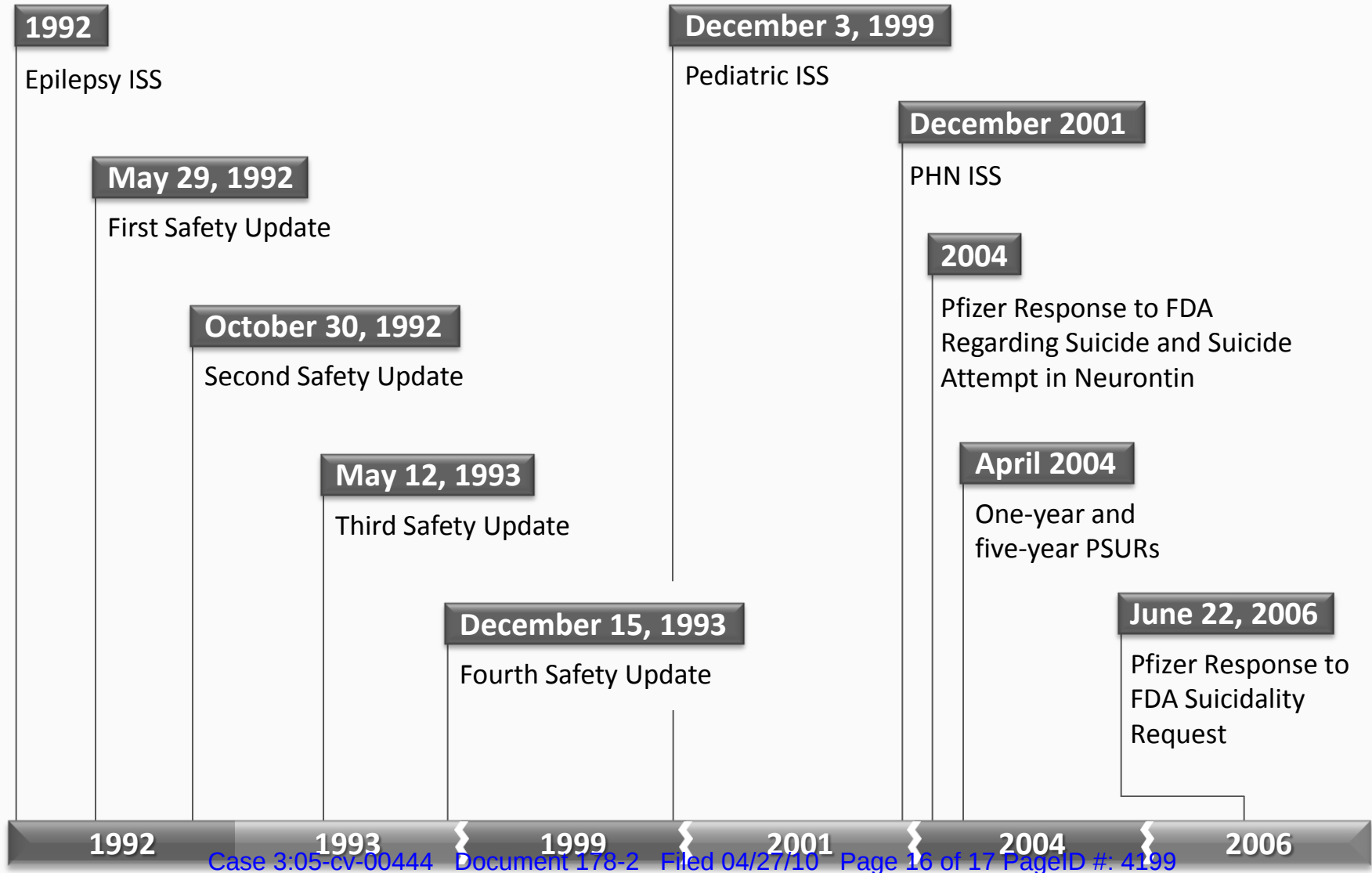
Source: E-mail from Courtney Calder to Manini Patel (Nov. 22, 2005)

Top Criticisms of Blume

- The conclusions of the FDA clinical reviewers and the Peripheral and Central Nervous System Advisory Committee indicate that no evidence for an increased risk of suicidality or depression existed based on data from the Neurontin clinical trials in epilepsy.
- FDA's initial labeling decision not to include a warning for suicidal behavior and depression was confirmed repeatedly in subsequent analyses of the Neurontin safety data.
- FDA did not find any individual dechallenge-rechallenge observations sufficient to override the statistically significant comparison of adverse events reported by patients in the treatment and placebo groups.
- Dr. Blume's report repeatedly aggregates or "lumps" multiple adverse events into a category called "Psychobiologic Adverse Events." There is no explanation or medical basis provided in the Blume report of any medical or physiological semantic relationship of this aggregate concept to the concept of suicidality, nor would she by virtue of her qualifications, including her lack of medical training, be able to provide any.
- Dr. Blume's report incorrectly defines the concept of a proportional reporting ratio and subsequently misapplies it in graphical representations. The Blume report also fails to call out the widespread recognition of the limitations of this approach articulated by Dr. Strom as well as by Dr. Greenland.
- Dr. Blume highlights raw numbers of adverse event reports, but she does not calculate rates that provide a measure of risk and are necessary to identify excess risk, nor does she compare rates among comparator groups. She does not compare the rate of suicide in Neurontin patients with those of patients receiving placebo.
- FDA's meta-analysis in 2008 and the subsequent requirement of a class label does not indicate that prior decisions concerning the Neurontin label were wrong. In fact, the Neurontin data analyzed by FDA in 2008 would not suggest the need for a warning.

[Case 3:05-cv-00444](#) [Document 178-2](#) [Filed 04/27/10](#) [Page 15 of 17](#) [PageID #: 4198](#)

Safety Data Sent to FDA



Dr. Ruggieri's Opinions

- Pfizer and Warner-Lambert acted reasonably and complied with regulatory requirements in monitoring the safety of Neurontin
- The information available to Warner-Lambert and Pfizer has consistently failed to support an association or reveal any signal of potential increased risk for depression or suicidal behaviors in patients taking Neurontin
- No signal emerged sufficient to raise special safety concerns in the off-label use of Neurontin
- The Neurontin labeling adequately conveyed necessary information to prescribers regarding the risks and benefits of the medicine

Case 3:05-cv-00444 Document 178-2 Filed 04/27/10 Page 17 of 17 PageID #: 4200